

Fifth Grade Unit 1- Area and Volume

In this unit students will:

- Measure volumes by counting unit cubes and improvised units.
- Convert among measurement units within the same system.
- Solve real-world problems involving volumes of figures composed of prisms.
- Apply the appropriate volume formula when given the formulas and a set of whole number dimensions.
- Multiply multi-digit numbers

Ideas for Home:

- Practice finding the area and volume of items around the house.

Area Formulas

Square	side ²
Rectangle	length x width
Parallelogram	base x height
Triangle	base x height / 2
Trapezoid	height x (base1 + base2) / 2
Circle	pi * x radius ² **

Volume Formulas

Cube	Side ³
Rectangular Prism	side1 x side2 x side3
Sphere	(4/3) x pi x radius ³
Cylinder	pi x radius ² x height
Cone	(1/3) x pi x radius ² x height *
Pyramid	(1/3) x (base area) x height

Websites:

1. http://em-ccss.everydaymathonline.com/g_login.html
2. www.i-ready.com
3. www.abcya.com
4. <http://www.education.com/games/second+grade/>
5. <http://www.mathplayground.com/>

